

AMENDMENTS TO THE SPECIFICATION

Page 5, first full paragraph:

According to a second aspect of this invention, a base station of a mobile communication system which adopts a transmission power control system to control transmission power of mobile stations by use of transmission power control bit signals includes receivers for demodulating transmission signals transmitted from the mobile stations to produce demodulated signals. Signal-to-noise ratio determining circuits are connected to the receivers respectively to determine signal-to-noise ratios of the demodulated signals. Transmission power control bit generators are connected to the signal-to-noise ratio determining circuits respectively to generate the transmission power control bit signals on the basis of the signal-to-noise ratios. The base station comprises a communication state monitor circuit which is connected to the receivers to detect quality deterioration of a communication state of radio communication between the base station and the mobile stations. A transmission power bit adjusting circuit is connected to ~~the quality deterioration detector~~ the communication state monitor circuit and the transmission power control bit generators to control the transmission power control bit signals so as to suppress increase of transmission power of the mobile stations when ~~the quality deterioration detector~~ the communication state monitor circuit detects the quality deterioration.

Page 5, second paragraph (which bridges over to page 6):

According to a third aspect of this invention, a transmission power control system is for use in a base station of a mobile communication system to control transmission power of mobile stations by use of transmission power control bit signals. The base station includes receivers for demodulating transmission signals transmitted from the mobile stations to produce demodulated signals. Signal-to-noise ratio determining circuits are connected to the receivers respectively to determine signal-to-noise ratios of the demodulated signals. Transmission power control bit generators are connected to the signal-to-noise ratio determining circuits respectively to generate the transmission power control bit signals on the basis of the signal-to-noise ratios. The transmission power control system comprises a communication state monitor circuit connected to the receivers to detect quality deterioration of a communication state of radio communication between the base station and the mobile stations. A transmission power bit adjusting circuit is connected to ~~the quality deterioration detector~~ the communication state monitor circuit and the transmission power control bit generators to control the transmission power control bit signals so as to suppress increase of transmission power of the mobile stations when ~~the quality deterioration detector~~ the communication state monitor circuit detects the quality deterioration.

Page 9, second paragraph:

The conventional transmission power control system is applied to a mobile communication system adopting CDMA system. The mobile communication system comprises base stations and mobile stations. Hereinafter, the description is made about one of the base

stations for convenience of explanation. In Fig. 1, the base station 10 comprises receivers 11-1 to 11-N. Decoders 12-1 to 12-N are connected to the receivers 11-1 to 11-N respectively. Signal-to-noise (SNR) determining circuit 13-1 to 13-N are also connected to the receivers 11-1 to 11-N respectively. Transmission power control (TPC) bit generators 14-1 to 14-N are connected to ~~the TPC bit generators 14-1 to 14-N~~ the SNR determining circuit 13-1 to 13-N. Multiplexers 15-1 to 15-N are connected to the TPC bit generators 14-1 to 14-N respectively. A transmitter 16 is connected to all of the multiplexers 15-1 to 15-N. A combination of the SNR determining circuit 13-1 to 13-N and the TPC bit generators 14-1 to 14-N serves as a part of the conventional transmission power control system.

Page 17, fourth paragraph:

Next, the transmission power control state monitor 101 compares the total electric power with a predetermined value ~~(Step S902)~~ (Step S1102).

Page 17, fifth paragraph:

When the total electric power is equal to or larger than the predetermined value, the transmission power control state monitor 101 notifies the transmission power adjusting circuit 42 of the quality deterioration ~~(Step S903)~~ (Step S1103). On the other hand, when the total electric power is lower than the predetermined value, the transmission power control state monitor 101 does nothing.

AMENDMENT UNDER 37 C.F.R. §1.111
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Please delete the present Abstract of the Disclosure and replace it with the following new Abstract of the Disclosure.

A transmission power control system comprises a ~~quality deterioration detector~~ communication state monitor circuit and a transmission power control bit adjusting ~~unit~~ circuit connected to the ~~quality deterioration detector~~ communication state monitor circuit. The ~~quality deterioration detector~~ communication state monitor circuit detects quality deterioration of a communication state of radio communication between a base station and mobile stations. The transmission power control bit adjusting ~~unit~~ circuit adjusts the transmission power control bit signals so as to suppress increase of transmission power of the mobile stations when the quality deterioration detector detects the quality deterioration.